

Any question? -> Use the BRENDA Discussion groups

## Search Enzyme Names

show  results



☒ Recommended Name:

EC Number:

= amino acid sequences = comprehensive online version = show the catalyzed reaction  
Results 1 - 1 of 1

download this results as tab stop separated values  
(Excel, OpenOffice) format

EC Number	Recommended Name	Synonyms
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<u>3.4.24.69</u>	Bontoxilysin	Botulinum neurotoxin
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Mark a special word or phrase in this record:

**Mark!**

All organism  
 Clostridium barati  
 Clostridium botulinum  
 Clostridium butyricum  
 Clostridium sp.

Select one or more organism in this record:

**Submit****EC NUMBER COMMENTARY****3.4.24.69****RECOMMENDED NAME** GeneOntology No.**Bontoxilysin****GO:0000000****SYSTEMATIC NAME**

No entries in this field

**SYNONYMS ORGANISM COMMENTARY LITERATURE**

SYNONYMS	ORGANISM	COMMENTARY	LITERATURE
BoNT	-	-	-
BoNT/B	-	SwissProt	-
BoNT/C1	-	SwissProt	-
BoNT/D	-	SwissProt	-
BoNT/E	-	SwissProt	-
BoNT/F	-	SwissProt	-
BoNT/G	-	SwissProt	-
Bontoxilysin C1	-	SwissProt	-
Botulinum neurotoxin	-	-	-
More	-	cf. EC 3.4.24.68	-

**CAS REGISTRY NUMBER COMMENTARY****107231-12-9****REACTION****COMMENTARY**Protein + H<sub>2</sub>O =  
hydrolyzed protein

Clostridium botulinum: mechanism &lt;4&gt;; Clostridium botulinum, Clostridium barati, Clostridium butyricum: structure/function relationship &lt;5&gt;

**REACTION TYPE****ORGANISM COMMENTARY LITERATURE**

hydrolysis of peptide bond

- - -

**ORGANISM****COMMENTARY****LITERATURE**Clostridium  
barati

-

**5**Clostridium  
botulinum

strains 62A (serotype A) or Beluga (serotype E) &lt;10&gt;; type G strain &lt;15&gt;; 7 serologically different neurotoxin types: BoNT/A-G &lt;2, 3, 5, 6&gt;; serotypes BoNT/A, BoNT/B &lt;1, 4, 8, 15&gt;; BoNT/C, BoNT/D &lt;15&gt;; BoNT/E &lt;1, 4, 8&gt;

**1-10, 12, 15***from Brenda*